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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/680,860
Filing Date	October 07, 2003
First Named Inventor	Marie-Hélène BLONDELET-ROUAULT et al.
Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	FRAV2002/0028 US NP

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☑ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/ Incomplete Application
  - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
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  - ☐ Landscape Table on CD
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- ☐ Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please Identify below):

Remarks

1. References (11 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	AVENTIS PHARMACEUTICALS INC.		
Signature	F. Aaron Dubberley		
Printed name	F. Aaron Dubberley		
Date	November 05, 2004	Reg. No.	41,001

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Typed or printed name	Jonas Pierre, Sr.	Date	November 05, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
BLONDELET--ROUAULT, et al.

Examiner: Not Yet Known

Art Unit: Not Yet Known

Application No.: **10/680,860**

Filed: **October 7, 2003**

Title: **POLYPEPTIDES INVOLVED IN THE BIOSYNTHESIS OF SPIRAMYCINS, NUCLEOTIDE SEQUENCE ENCODING THESE POLYPEPTIDES AND APPLICATIONS THEREOF**

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November 5, 2004
Date of Deposit

Signature

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Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

☒ (a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. **18-1982**.

☐ (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.

☐ (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;

☐ (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or

☐ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

Respectfully submitted,

F. Aaron Dubberley, Reg. No. 41,001
Attorney/Agent for Applicant

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/680,860
Filing Date	10-07-2003
First Named Inventor	BLONDELET-ROUAULT, et al.
Group Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	FRAV2002/0028 - US - NP

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (*if known*)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (*if known*)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
		EP	0 354 641		EPP, et al.	09-28-1994		
		EP	0 524 832		RAO, et al.	01-27-1993		
		EP	0 791 655		DEHOFF, et al.	10-18-2000		
		EP	0 791 656		BURGETT, et al.	08-27-1997		
		WO	03/010193		FARNET, et al.	02-06-2003		
		WO	WO9905283			02-04-1999		

Examiner Signature		Date Considered	

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[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known	
Application Number	10/680,860
Filing Date	10-07-2003
First Named Inventor	BLONDELET-ROUAULT, et al.
Group Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	FRAV2002/0028 - US - NP

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		EPP, Janet K. et al., Production of a hybrid macrolide antiobiotic in Streptomyces ambofaciens and Streptomyces lividans by introduction of a cloned carbomycin biosynthetic gene from Streptomyces thermotolerans, Gene, (1989), Vol. 85, pp. 293 - 301	
		GANDECHA, Atul R. et al., Analysis of four tylosin biosynthetic genes from the tylLM region of the Streptomyces fradiae genome, Gene, (1997), Vol. 184, pp. 197 - 203	
		GEISTLICH, Martin et al., Characterization of a novel regulatory gene governing the expression of a polyketide synthase gene in Streptomyces ambofaciens, Molecular Microbiology, (1992), Vol. 6, No. 14, pp. 2019 - 2029	
		HARA, Osamu et al., A Macrolide 3-O-Acyltransferase Gene from the Midecamycin-Producing Species Streptomyces mycarofaciens, Journal of Bacteriology, (1992), Vol. 174, No. 15, pp. 5141 - 5144	
		RICHARDSON, M. A. et al., Cloning of Spiramycin Biosynthetic Genes and Their Use in Constructing Streptomyces ambofaciens Mutants Defective in Spiramycin Biosynthesis, Journal of Bacteriology, (1990), Vol. 172, No. 7, pp. 3790 - 3798	

Examiner Signature		Date Considered	

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